

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Xiao-An Zhang et al

Confirmation No.:

Application No.:

Examiner:

Filing Date:

Group Art Unit:

Title: DEVICES ACTIVATED BY AN ELECTRIC FIELD FOR ELECTRONIC INK AND OTHER VISUAL DISPLAY APPLICATIONS



COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:  
☐ Statement under 37 CFR 1.97(e), or  
☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs
- ☐ under 37 CFR 1.97 (d) together with a:  
☐ Statement under 37 CFR 1.97(e), and  
☐ a petition under 37 CFR 1.97(d)(2), and  
☐ a \$180.00 petition fee set forth in 37 CFR 1.17(i).  
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

"Express Mail" label no. **EL894085361**

Date of Deposit 8-17-01

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Washington, D.C. 20231.

By

Mary Urbach  
Typed Name: Mary Urbach

Respectfully submitted,

Xiao-An Zhang et al

By

David W. Collins  
David W. Collins

Attorney/Agent for Applicant(s)

Reg. No. 26,857

Date: 8/17/01

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

10004619-1

APPLICATION NO.

CONFIRMATION NO.

APPLICANT

Xiao-An Zhang et al

FILING DATE

GROUP

 09/932186  
 U.S. PTO  
 08/17/01

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	1A	6,017,584	1/25/00	Albert et al	427	213.3
	1B	6,067,185	5/23/00	Albert et al	359	296
	1C	5,892,346	11/9/99	Sheridon et al	345	85
	1D	6,128,214	10/3/00	Kuekes et al	365	151
	1E					
	1F					
	1G					
	1H					
	1I					
	1J					
	1K					

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
	1L							
	1M							
	1N							
	1O							
	1P							

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

1Q	USSN 09/844,862, filed April 27, 2001, entitled "Molecular Mechanical Devices With A Band Gap Change Activated By An Electric Field For Optical Switching Applications"
1R	USSN 09/823,195, filed March 29, 2001, entitled "Bistable Molecular Mechanical Devices With A Band Gap Change Activated By An Electric Field For Electronic Switching, gating, And Memory Applications"
1S	USSN 09/759,438, filed January 12, 2001, entitled "Bistable Molecular Mechanical Devices With An Appended Rotor Activated By An Electric Field For Electronic Switching, Gating and Memory Applications"

EXAMINER

DATE CONSIDERED

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

10004619-1

APPLICATION NO.

CONFIRMATION NO.

APPLICANT

Xiao-An Zhang et al

FILING DATE

GROUP



## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	2A					
	2B					
	2C					
	2D					
	2E					
	2F					
	2G					
	2H					
	2I					
	2J					
	2K					

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
	2L							
	2M							
	2N							
	2O							
	2P							

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

2Q	USSN 09/738,793, entitled "Stabilization Of Configurable Molecular Mechanical Devices" filed December 14, 2000.
2R	USSN 09/898,799, entitled "Bistable Molecular Mechanical Devices Activated By An Electric Field For Electronic Ink And Other Visual Display Applications", filed on July 3, 2001.
2S	USSN 09/919,394, entitled "Field Addressable Rewritable Media", filed on 7/31/01.

EXAMINER

DATE CONSIDERED